

# Lan Zhang

## List of Publications by Year in descending order

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97  
papers

2,481  
citations

201674

27  
h-index

254184

43  
g-index

103  
all docs

103  
docs citations

103  
times ranked

3640  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting autophagy-related protein kinases for potential therapeutic purpose. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 569-581.	12.0	142
2	Discovery of a small molecule targeting ULK1-modulated cell death of triple negative breast cancer in vitro and in vivo. <i>Chemical Science</i> , 2017, 8, 2687-2701.	7.4	120
3	Discovery of a Small-Molecule Bromodomain-Containing Protein 4 (BRD4) Inhibitor That Induces AMP-Activated Protein Kinase-Modulated Autophagy-Associated Cell Death in Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9990-10012.	6.4	103
4	Prognostic significance of frequent CLDN18-ARHGAP26/6 fusion in gastric signet-ring cell cancer. <i>Nature Communications</i> , 2018, 9, 2447.	12.8	100
5	The social psychological impact of the COVID-19 pandemic on medical staff in China: A cross-sectional study. <i>European Psychiatry</i> , 2020, 63, e65.	0.2	93
6	Validation of patient health questionnaire (PHQ) for major depression in Chinese outpatients with multiple somatic symptoms: A multicenter cross-sectional study. <i>Journal of Affective Disorders</i> , 2015, 174, 636-643.	4.1	78
7	Unraveling the roles of Atg4 proteases from autophagy modulation to targeted cancer therapy. <i>Cancer Letters</i> , 2016, 373, 19-26.	7.2	75
8	Crystal structure-based discovery of a novel synthesized PARP1 inhibitor (OL-1) with apoptosis-inducing mechanisms in triple-negative breast cancer. <i>Scientific Reports</i> , 2016, 6, 3.	3.3	74
9	Expression of TRAF6 and pro-inflammatory cytokines through activation of TLR2, TLR4, NOD1, and NOD2 in human periodontal ligament fibroblasts. <i>Archives of Oral Biology</i> , 2011, 56, 1064-1072.	1.8	73
10	Validation of the Chinese version of the PHQ-15 in a tertiary hospital. <i>BMC Psychiatry</i> , 2016, 16, 89.	2.6	57
11	Recent advances in the design and discovery of synthetic tyrosinase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 224, 113744.	5.5	57
12	A Novel MPEG-PDLLA-PLL Copolymer for Docetaxel Delivery in Breast Cancer Therapy. <i>Theranostics</i> , 2017, 7, 2652-2672.	10.0	55
13	Lathyrane-type diterpenoids from the seeds of <i>Euphorbia lathyris</i> . <i>Phytochemistry</i> , 2014, 104, 79-88.	2.9	48
14	Systems biology-based discovery of a potential Atg4B agonist (Flubendazole) that induces autophagy in breast cancer. <i>Molecular BioSystems</i> , 2015, 11, 2860-2866.	2.9	48
15	Flubendazole elicits anti-cancer effects via targeting EVA1A-modulated autophagy and apoptosis in Triple-negative Breast Cancer. <i>Theranostics</i> , 2020, 10, 8080-8097.	10.0	48
16	Small-Molecule Activator of UNC-51-Like Kinase 1 (ULK1) That Induces Cytoprotective Autophagy for Parkinson's Disease Treatment. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2776-2792.	6.4	46
17	Dual-target kinase drug design: Current strategies and future directions in cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2020, 188, 112025.	5.5	42
18	<sc>NLRP</sc>3 inflammasome may regulate inflammatory response of human periodontal ligament fibroblasts in an apoptosis-associated speck-like protein containing a <sc>CARD</sc> (<sc>ASC</sc>)â€dependent manner. <i>International Endodontic Journal</i> , 2017, 50, 967-975.	5.0	40

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19	A small-molecule activator induces ULK1-modulating autophagy-associated cell death in triple negative breast cancer. <i>Autophagy</i> , 2017, 13, 777-778.	9.1	37
20	Control of Blood Loss During Sacral Surgery by Aortic Balloon Occlusion. <i>Anesthesia and Analgesia</i> , 2007, 105, 700-703.	2.2	34
21	NLRP6 suppresses the inflammatory response of human periodontal ligament cells by inhibiting NF- $\kappa$ B and ERK signal pathways. <i>International Endodontic Journal</i> , 2019, 52, 999-1009.	5.0	33
22	The effects of ageing on the biomechanical properties of root dentine and fracture. <i>Journal of Dentistry</i> , 2014, 42, 305-311.	4.1	32
23	Autophagy-related gene 16L2, a potential serum biomarker of multiple sclerosis evaluated by bead-based proteomic technology. <i>Neuroscience Letters</i> , 2014, 562, 34-38.	2.1	31
24	Identification of ULK1 as a novel biomarker involved in miR-4487 and miR-595 regulation in neuroblastoma SH-SY5Y cell autophagy. <i>Scientific Reports</i> , 2015, 5, 11035.	3.3	31
25	Adiponectin Ameliorates Experimental Periodontitis in Diet-Induced Obesity Mice. <i>PLoS ONE</i> , 2014, 9, e97824.	2.5	31
26	Diarylheptanoid: A privileged structure in drug discovery. <i>F<math>\ddot{A}</math>-toterap<math>\ddot{A}</math>-<math>\ddot{A}</math></i> , 2020, 142, 104490.	2.2	30
27	Systems biology network-based discovery of a small molecule activator BL-AD008 targeting AMPK/ZIPK and inducing apoptosis in cervical cancer. <i>Oncotarget</i> , 2015, 6, 8071-8088.	1.8	30
28	Comparison of the Factor Structure of the Patient Health Questionnaire for Somatic Symptoms (PHQ-15) in Germany, the Netherlands, and China. A Transcultural Structural Equation Modeling (SEM) Study. <i>Frontiers in Psychiatry</i> , 2018, 9, 240.	2.6	29
29	Discovery of a Novel Dual-Target Inhibitor of ERK1 and ERK5 That Induces Regulated Cell Death to Overcome Compensatory Mechanism in Specific Tumor Types. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3976-3995.	6.4	28
30	UNC-51-like Kinase 1: From an Autophagic Initiator to Multifunctional Drug Target. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 6491-6500.	6.4	27
31	Isolation, Structure Elucidation, Semi-Synthesis, and Structural Modification of C <sub>19</sub> -Diterpenoid Alkaloids from <i>Aconitum apetalum</i> and Their Neuroprotective Activities. <i>Journal of Natural Products</i> , 2021, 84, 1067-1077.	3.0	27
32	Repurposing non-oncology small-molecule drugs to improve cancer therapy: Current situation and future directions. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 532-557.	12.0	26
33	Structure-Guided Design of a Small-Molecule Activator of Sirtuin-3 that Modulates Autophagy in Triple Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 14192-14216.	6.4	26
34	Expression Profiles of Inflammation-associated microRNAs in Periapical Lesions and Human Periodontal Ligament Fibroblasts Inflammation. <i>Journal of Endodontics</i> , 2016, 42, 1773-1778.	3.1	25
35	Prevalence of DSM-5 somatic symptom disorder in Chinese outpatients from general hospital care. <i>General Hospital Psychiatry</i> , 2020, 62, 63-71.	2.4	25
36	The development and validation of Huaxi emotional-distress index (HEI): A Chinese questionnaire for screening depression and anxiety in non-psychiatric clinical settings. <i>Comprehensive Psychiatry</i> , 2017, 76, 87-97.	3.1	24

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37	Computational design, chemical synthesis, and biological evaluation of a novel ERK inhibitor (BL-EI001) with apoptosis-inducing mechanisms in breast cancer. <i>Oncotarget</i> , 2015, 6, 6762-6775.	1.8	23
38	DAW22, a natural sesquiterpene coumarin isolated from <i>Ferula ferulaeoides</i> (Steud.) Korov. that induces C6 glioma cell apoptosis and endoplasmic reticulum (ER) stress. <i>FĀ-toterapĀ-Āç</i> , 2015, 103, 46-54.	2.2	22
39	The effect of <sc>NLRP</sc> inflammasome on the regulation of <sc>AGE</sc>â€induced inflammatory response in human periodontal ligament cells. <i>Journal of Periodontal Research</i> , 2019, 54, 681-689.	2.7	22
40	The involvement of semaphorin 7A in tumorigenic and immunoinflammatory regulation. <i>Journal of Cellular Physiology</i> , 2021, 236, 6235-6248.	4.1	22
41	Dysfunctional illness perception and illness behaviour associated with high somatic symptom severity and low quality of life in general hospital outpatients in China. <i>Journal of Psychosomatic Research</i> , 2014, 77, 187-195.	2.6	21
42	A simple method to improve the stability of docetaxel micelles. <i>Scientific Reports</i> , 2016, 6, 36957.	3.3	21
43	MicroRNA-335-5p Plays Dual Roles in Periapical Lesions by Complex Regulation Pathways. <i>Journal of Endodontics</i> , 2017, 43, 1323-1328.	3.1	21
44	Discovery, Synthesis, and Evaluation of Highly Selective Vascular Endothelial Growth Factor Receptor 3 (VEGFR3) Inhibitor for the Potential Treatment of Metastatic Triple-Negative Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12022-12048.	6.4	21
45	Development of small molecule extracellular signal-regulated kinases (ERKs) inhibitors for cancer therapy. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2171-2192.	12.0	21
46	Palatal Radicular Groove Morphology of the Maxillary Incisors: A Case Series Report. <i>Journal of Endodontics</i> , 2017, 43, 827-833.	3.1	18
47	Dickkopf-1 may regulate bone coupling by attenuating <i>wnt/ġ2</i> -catenin signaling in chronic apical periodontitis. <i>Archives of Oral Biology</i> , 2018, 86, 94-100.	1.8	16
48	High rates of depression anxiety and suicidal ideation among inpatients in general hospital in China. <i>International Journal of Psychiatry in Clinical Practice</i> , 2019, 23, 99-105.	2.4	16
49	Potential relationship between clinical symptoms and the root canal microbiomes of root filled teeth based on the nextâ€generation sequencing. <i>International Endodontic Journal</i> , 2022, 55, 18-29.	5.0	16
50	ACTP: A webserver for predicting potential targets and relevant pathways of autophagy-modulating compounds. <i>Oncotarget</i> , 2016, 7, 10015-10022.	1.8	16
51	Discovery of 5-bromo-4-phenoxy-N-phenylpyrimidin-2-amine derivatives as novel ULK1 inhibitors that block autophagy and induce apoptosis in non-small cell lung cancer. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112782.	5.5	15
52	Transcriptional cyclin-dependent kinases: Potential drug targets in cancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2022, 229, 114056.	5.5	15
53	Operationalization of diagnostic criteria of DSM-5 somatic symptom disorders. <i>BMC Psychiatry</i> , 2017, 17, 361.	2.6	14
54	Discovery of a novel small-molecule inhibitor of Fam20C that induces apoptosis and inhibits migration in triple negative breast cancer. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 113088.	5.5	14

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55	Apoptotic and autophagic pathways with relevant small-molecule compounds, in cancer stem cells. <i>Cell Proliferation</i> , 2015, 48, 385-397.	5.3	13
56	Comparing cone-beam computed tomography with periapical radiography for assessing root canal obturation <i>in vivo</i> using microsurgical findings as validation. <i>Dentomaxillofacial Radiology</i> , 2017, 46, 20160463.	2.7	13
57	Suicidality is a common and serious feature of anti-N-methyl-D-aspartate receptor encephalitis. <i>Journal of Neurology</i> , 2017, 264, 2378-2386.	3.6	13
58	EDTA Enhances Stromal Cell-derived Factor 1-induced Migration of Dental Pulp Cells by Up-regulating Chemokine Receptor 4 Expression. <i>Journal of Endodontics</i> , 2019, 45, 599-605.e1.	3.1	13
59	Occlusal trauma inhibits osteoblast differentiation and bone formation through IKK-NF- $\kappa$ B signaling. <i>Journal of Periodontology</i> , 2020, 91, 683-692.	3.4	13
60	Flubendazole induces mitochondrial dysfunction and DRP1-mediated mitophagy by targeting EVA1A in breast cancer. <i>Cell Death and Disease</i> , 2022, 13, 375.	6.3	13
61	Self-repaired Process of a Traumatized Maxillary Central Incisor with Pulp Infarct after Horizontal Root Fracture Monitored by Laser Doppler Flowmetry Combined with Tissue Oxygen Monitor. <i>Journal of Endodontics</i> , 2017, 43, 1218-1222.	3.1	12
62	Psychological and somatic distress in Chinese outpatients at general hospitals: a cross-sectional study. <i>Annals of General Psychiatry</i> , 2017, 16, 35.	2.7	12
63	Potential Roles of Bone Morphogenetic Protein 9 in the Odontogenic Differentiation of Dental Pulp Cells. <i>Journal of Endodontics</i> , 2021, 47, 436-443.	3.1	12
64	Deconvoluting the complexity of autophagy and Parkinson's disease for potential therapeutic purpose. <i>Oncotarget</i> , 2015, 6, 40480-40495.	1.8	11
65	<sc>GAMDB</sc>: a web resource to connect microRNAs with autophagy in gerontology. <i>Cell Proliferation</i> , 2016, 49, 246-251.	5.3	10
66	Late-Stage Modification of Medicine: Pd-Catalyzed Direct Synthesis and Biological Evaluation of <i>N</i> -Aryltacrine Derivatives. <i>ACS Omega</i> , 2021, 6, 9960-9972.	3.5	10
67	Symptom Clusters and Quality of Life in Cervical Cancer Patients Receiving Concurrent Chemoradiotherapy: The Mediating Role of Illness Perceptions. <i>Frontiers in Psychiatry</i> , 2021, 12, 807974.	2.6	10
68	Prevalence and strong association of high somatic symptom severity with depression and anxiety in a Chinese inpatient population. <i>Asia-Pacific Psychiatry</i> , 2017, 9, e12282.	2.2	9
69	Why is the recognition rate of psychological distress under-estimated in general hospitals? A cross-sectional observational study in China. <i>Medicine (United States)</i> , 2019, 98, e16274.	1.0	9
70	Local anaesthesia for surgical extraction of mandibular third molars: a systematic review and network meta-analysis. <i>Clinical Oral Investigations</i> , 2020, 24, 3781-3800.	3.0	9
71	Three-dimensional analysis of coronal root canal morphology of 136 permanent mandibular first molars by micro-computed tomography. <i>Journal of Dental Sciences</i> , 2022, 17, 482-489.	2.5	9
72	Fam20C in Human Diseases: Emerging Biological Functions and Therapeutic Implications. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 790172.	3.5	9

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73	Emotional Experiences Predict the Conversion of Individuals with Attenuated Psychosis Syndrome to Psychosis: A 6-Month Follow up Study. <i>Frontiers in Psychology</i> , 2016, 7, 818.	2.1	7
74	Design, synthesis and biological evaluation of benzamide derivatives as novel NTCP inhibitors that induce apoptosis in HepG2 cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126623.	2.2	7
75	Traumatic compressive stress inhibits osteoblast differentiation through long chain non-coding RNA Dancr. <i>Journal of Periodontology</i> , 2020, 91, 1532-1540.	3.4	7
76	Assessment of the structured clinical interview (SCID) for DSM-5 for somatic symptom disorder in general hospital outpatient clinics in China. <i>BMC Psychiatry</i> , 2021, 21, 144.	2.6	7
77	Psychometric Evaluation of the Whiteley Index-8 in Chinese Outpatients in General Hospitals. <i>Frontiers in Psychology</i> , 2021, 12, 557662.	2.1	7
78	Wnt antagonist secreted frizzled-related protein 1 (sFRP1) may be involved in the osteogenic differentiation of periodontal ligament cells in chronic apical periodontitis. <i>International Endodontic Journal</i> , 2021, 54, 768-779.	5.0	6
79	EDTA Promotes the Mineralization of Dental Pulp In Vitro and In Vivo. <i>Journal of Endodontics</i> , 2021, 47, 458-465.	3.1	6
80	NELL1 augments osteogenesis and inhibits inflammation of human periodontal ligament stem cells induced by BMP9. <i>Journal of Periodontology</i> , 2022, 93, 977-987.	3.4	6
81	Rhodium-Catalyzed Direct Arylation of Furopyridine: Synthesis and the Cardiac Effects of Dictamnine Derivatives. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	6
82	Wnt4 regulates bone metabolism through IKK-NF- $\kappa$ B and ROCK signaling under occlusal traumatic periodontitis. <i>Journal of Periodontal Research</i> , 2022, 57, 461-469.	2.7	6
83	<i>In silico</i> analysis and experimental validation of active compounds from fructus <i>Schisandrae chinensis</i> in protection from hepatic injury. <i>Cell Proliferation</i> , 2015, 48, 86-94.	5.3	5
84	Compressive mechanical stress may activate IKK-NF- $\kappa$ B through proinflammatory cytokines in MC3T3-E1 cells. <i>Biotechnology Letters</i> , 2015, 37, 1729-1735.	2.2	5
85	Jumonji domain-containing protein 3 regulates the early inflammatory response epigenetically in human periodontal ligament cells. <i>Archives of Oral Biology</i> , 2018, 93, 87-94.	1.8	5
86	Altered regional gray matter volume in Chinese female patients with bulimia nervosa. <i>BMC Psychiatry</i> , 2020, 20, 94.	2.6	5
87	A Comparison of Volume of Tissue Removed and Biomechanical Analysis of Different Access Cavity Designs in 2-rooted Mandibular First Molars: A Multisample 3-dimensional Finite Element Analysis. <i>Journal of Endodontics</i> , 2022, 48, 362-369.	3.1	5
88	Comparative Effects of Concentrated Growth Factors on the Biological Characteristics of Periodontal Ligament Cells and Stem Cells from Apical Papilla. <i>Journal of Endodontics</i> , 2022, 48, 1029-1037.	3.1	5
89	Acromegaly and non-parathyroid hormone-dependent hypercalcemia: a case report and literature review. <i>BMC Endocrine Disorders</i> , 2021, 21, 90.	2.2	4
90	The Expression of Semaphorin 7A in Human Periapical Lesions. <i>Journal of Endodontics</i> , 2021, 47, 1631-1639.	3.1	4

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91	Patient-doctor concordance of perceived mental health service needs in Chinese hospitalized patients: a cross-sectional study. <i>Annals of Palliative Medicine</i> , 2019, 8, 442-450.	1.2	3
92	Targeting Autophagy with Small-Molecule Modulators in Immune-Related Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1209, 181-203.	1.6	2
93	Validation of the Chinese version bodily distress syndrome checklist in Chinese out-patients of general hospitals. <i>Journal of Psychosomatic Research</i> , 2022, 153, 110702.	2.6	2
94	Semaphorin 7A Accelerates the Inflammatory Osteolysis of Periapical Lesions. <i>Journal of Endodontics</i> , 2022, , .	3.1	2
95	Identification of Immune-Related lncRNA Regulatory Network in Pulpitis. <i>Disease Markers</i> , 2022, 2022, 1-14.	1.3	2
96	Confirmatory factor analysis of the causal illness attribution scale in Chinese patients with multiple somatic symptoms. <i>Psychology, Health and Medicine</i> , 2018, 23, 1056-1070.	2.4	1
97	Targeting Cancer Cell Death with Small Molecule Agents for Potential Therapeutics. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 211-230.	0.2	0